REMARKS

Applicants appreciate the continued thorough examination of the present application as reflected in the Office Action of October 2, 2009 (hereinafter, the "Office Action").

Interview Summary

Applicants appreciate the courtesies and insight provided to the undersigned by Examiner Meky in a telephone interview on December 29, 2009. During the telephone interview, the Examiner clarified that the rejections of Claims 1-28 under 35 U.S.C. § 112, second paragraph, were based on the lack of any claim recitations regarding specifically how each set of access session records and application flow records worked together to define QoS and/or bandwidth. Applicants appreciate the Examiner's comments during the telephone interview. The above constitutes a complete summary of the telephone interview between the Examiner and the undersigned on December 29, 2009, pursuant to MPEP §713.04.

The Rejections Under 35 U.S.C. § 112, Second Paragraph

Claims 1-28 stand rejected under 35 U.S.C. § 112, second paragraph, as allegedly being incomplete for omitting essential structural cooperative relationships of elements, specifically "the relationships between the different records in order to manage the quality of Service in the RAN." Office Action, page 2. Applicants respectfully traverse the rejections, as the claims do not omit any essential matter for at least the reasons discussed herein. For example, independent Claim 1 recites, in part, as follows:

> a NSP access session record maintained at the RAN that defines QoS
> and/or bandwidth allocation for an access session associated with the RG and
> the NSP;
>
> a corresponding NSP access session record maintained at the NSP associated
> with the access session, wherein the NSP access session record at the RAN and the
> corresponding NSP access session record at the NSP both define a QoS and/or
> bandwidth allocation specified by the NSP associated with the session or both define a
> QoS and/or bandwidth allocation specified by the RAN;
>
> an application flow record maintained at the RAN that defines QoS and/or
> bandwidth allocation for an application flow associated with the RG and the ASP; and

> a corresponding application flow record maintained at the ASP associated with the application flow, wherein both the application flow record at the RAN and the corresponding application flow record at the ASP define a QoS and/or bandwidth allocation specified by the ASP. (emphasis added)

Applicants respectfully submit that one of skill in the art would understand that each set of records (here, one set of two NSP access session records and another set of two application flow records) defines QoS and/or bandwidth allocation by including fields specific to QoS and/or bandwidth allocation, with the fields included in one record storing the same value as (*i.e.*, synchronized with) the corresponding fields in the other record.

For example, Claim 1 recites two NSP access session records: one maintained at the RAN, and a corresponding record maintained at the NSP. Both NSP access session records are associated with an access session, which is itself associated with the RG and the NSP. A QoS and/or a bandwidth allocation may be specified by the NSP, or may be specified by the RAN. Both of the two NSP access session records define the same values for QoS and/or bandwidth allocation, regardless of whether specified at the RAN or at the NSP. One of skill in the art would understand that the two NSP access session define the same QoS and/or bandwidth allocation by including fields specific to QoS and/or bandwidth allocation, with the field(s) included in one NSP access session record storing the same values as the corresponding field(s) in the other NSP access session record.

Applicants' Specification, in describing some embodiments, provides a concrete example, where it notes that the "NSP access session record maintained at the RAN" may comprise NSP PPP Session Record **926**, while the "corresponding NSP access session record maintained at the NSP" may comprise NSP Subscriber Record **942**. Applicants' Specification, paragraph **[0619]**. Both NSP PPP Session Record **926** and NSP Subscriber Record **942** include data fields Session_Classifier, Session_Priority, and Session_Bandwidth, which relate to QoS and bandwidth allocation. *See* Applicants' Specification, paragraph **[0236]** and accompanying table, and paragraph **[0242]** and accompanying table. The Session_Classifier, Session_Priority, and Session_Bandwidth fields in NSP Subscriber Record **942** (*i.e.*, the "corresponding NSP access session record maintained at the NSP") are described as being local copies of data fields obtained from the RAN, and, thus, their values are copies of the values stored in the Session_Classifier, Session_Priority, and

Session_Bandwidth fields in NSP PPP Session Record **926** (*i.e.*, the "NSP access session record maintained at the RAN"). *See* Applicants' Specification, paragraph **[0236]** and accompanying table, and paragraph **[0242]** and accompanying table. In this way, NSP PPP Session Record **926** and NSP Subscriber Record **942** may together "define a QoS and/or bandwidth allocation specified by the RAN," as recited by Claim 1. Applicants note that Claim 1 also encompasses embodiments where the values in the corresponding fields of the NSP access session records are the same, but are specified by the NSP rather than specified by the RAN, as described in the above example.

Similarly, Applicants' Specification notes that the "application flow record maintained at the RAN" recited by Claim 1 may comprise Application Flow (Control) Record **932**, while the "corresponding application flow record maintained at the ASP" may comprise Application Flow (Control) Record **966**. Applicants' Specification, paragraph **[0619]**. Both records contain fields Flow_Classifier, Flow_Priority, and Flow_Bandwidth, which relate to QoS and/or bandwidth allocation. *See* Applicants' Specification, paragraph **[0236]** and accompanying table, and paragraph **[0239]** and accompanying table. In this case, the contents of the three fields in both records are obtained from the ASP, and, thus, their values are the same (*i.e.*, synchronized). *See* Applicants' Specification, paragraph **[0236]** and accompanying table, and paragraph **[0239]** and accompanying table. In this way, Application Flow (Control) Records **932** and **966** may together "define a QoS and/or bandwidth allocation specified by the ASP," as recited by Claim 1.

Applicants further respectfully submit that the relationship between the "session records" recited by independent Claim 20 would be understood by one of skill in the art for reasons substantially similar to the reasons discussed above with respect to the NSP access session records and application flow records recited by Claim 1. For the sake of brevity, Applicants will not repeat that analysis here.
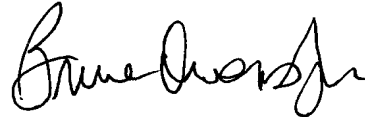
Accordingly, because one of skill in the art would be able to ascertain the relationships between the records recited by the claims, Applicant respectfully submits that the claims do not omit any essential matter, and, thus, Claims 1-28 are in compliance with § 112, second paragraph, for at least the reasons discussed herein.

Conclusion

Applicants respectfully submit that the application is now in condition for allowance, and, accordingly, respectfully requests allowance of all the pending claims and the passing of this application to issue. If the Examiner believes that a telephone interview would facilitate allowance of the above-noted claims, the Examiner is encouraged to contact the undersigned at (919) 854-1400.

Respectfully submitted,

Bruce E. Owens, Jr.
Registration No. 58,685
Attorney for Applicants

Customer Number 39072
AT&T Legal Department – MB
Attn: Patent Docketing
Room 2A-207
One AT&T Way
Bedminster, NJ 07921

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Anthony DeRosa